

Discrete Mathematics
Volume 217, Numbers 1–3, 28 April 2000

Contents

Preface

<i>P. Paule and V. Strehl</i>	1
-------------------------------	---

Contributions

<i>S.A. Abramov</i> <i>m</i> -Sparse solutions of linear ordinary differential equations with polynomial coefficients	3
<i>D. Arquès and A. Giorgetti</i> Une bijection géométrique entre une famille d'hypercartes et une famille de polygones énumérées par la série de Schröder	17
<i>E. Barcucci, A.D. Lungo, E. Pergola and R. Pinzani</i> From Motzkin to Catalan permutations	33
<i>F. Bergeron and S. Hamel</i> Intersection of modules related to Macdonald's polynomials	51
<i>J.M. Borwein and P. Lisoněk</i> Applications of integer relation algorithms	65
<i>C. Chang</i> The $n!$ conjecture and a vector bundle on the Hilbert scheme of n points in the plane	83
<i>M.K. Chari</i> On discrete Morse functions and combinatorial decompositions	101
<i>F. Chyzak</i> An extension of Zeilberger's fast algorithm to general holonomic functions	115
<i>K. Eriksson and J. Karlander</i> Stable matching in a common generalization of the marriage and assignment models	135
<i>O. Guibert and S. Linusson</i> Doubly alternating Baxter permutations are Catalan	157
<i>A.J. Guttmann</i> Indicators of solvability for lattice models	167

Discrete Mathematics
Volume 217, Numbers 1–3, 28 April 2000

Contents

Preface

<i>P. Paule and V. Strehl</i>	1
-------------------------------	---

Contributions

<i>S.A. Abramov</i> <i>m</i> -Sparse solutions of linear ordinary differential equations with polynomial coefficients	3
<i>D. Arquès and A. Giorgetti</i> Une bijection géométrique entre une famille d'hypercartes et une famille de polygones énumérées par la série de Schröder	17
<i>E. Barcucci, A.D. Lungo, E. Pergola and R. Pinzani</i> From Motzkin to Catalan permutations	33
<i>F. Bergeron and S. Hamel</i> Intersection of modules related to Macdonald's polynomials	51
<i>J.M. Borwein and P. Lisoněk</i> Applications of integer relation algorithms	65
<i>C. Chang</i> The $n!$ conjecture and a vector bundle on the Hilbert scheme of n points in the plane	83
<i>M.K. Chari</i> On discrete Morse functions and combinatorial decompositions	101
<i>F. Chyzak</i> An extension of Zeilberger's fast algorithm to general holonomic functions	115
<i>K. Eriksson and J. Karlander</i> Stable matching in a common generalization of the marriage and assignment models	135
<i>O. Guibert and S. Linusson</i> Doubly alternating Baxter permutations are Catalan	157
<i>A.J. Guttmann</i> Indicators of solvability for lattice models	167

<i>A.N. Kirillov and T. Maeno</i> Quantum double Schubert polynomials, quantum Schubert polynomials and Vafa-Intriligator formula	191
<i>D. Kremer</i> A bijection between intervals in the Fibonacci posets	225
<i>G. Labelle</i> Counting enriched multigraphs according to the number of their edges (or arcs)	237
<i>N. Magot and A. Zvonkin</i> Belyi functions for Archimedean solids	249
<i>H.N. Minh and M. Petitot</i> Lyndon words, polylogarithms and the Riemann ζ function	273
<i>J. Morse</i> Bivariate Knop-Sahi and Macdonald polynomials related to q -ultraspherical functions	293
<i>M. Mosbah and N. Saheb</i> Formal rational fractions and random walks on cycles	301
<i>J.-C. Novelli</i> On the hypoplactic monoid	315
<i>V.M. Petrogradsky</i> On growth of Lie algebras, generalized partitions, and analytic functions	337
<i>Y. Roichman</i> Schubert polynomials, Kazhdan-Lusztig basis and characters	353
<i>R. Simion</i> Noncrossing partitions	367
<i>B.D. Taylor</i> Row-convex tableaux and the combinatorics of initial terms	411
Author index to volume 217	429